

CLAIMS

1. A coated article comprising a coating supported by a glass substrate, the coating comprising:
 - a first dielectric layer on the glass substrate;
 - a first layer comprising tin oxide which further includes nitrogen, located over the first dielectric layer;
 - a layer comprising silicon nitride located over and contacting the first layer comprising tin oxide;
 - a first layer comprising zinc oxide located over and contacting the layer comprising silicon nitride;
 - an infrared (IR) reflecting layer comprising silver located over and contacting the first layer comprising zinc oxide;
 - a contact layer located over and contacting the IR reflecting layer;
 - a second layer comprising zinc oxide located over and contacting the contact layer; and
 - another dielectric layer located over the second layer comprising zinc oxide.
2. The coated article of claim 1, wherein at least one of the first and second layers comprising zinc oxide further comprises aluminum.
3. The coated article of claim 1, wherein the coated article is heat treated.
4. The coated article of claim 1, wherein the first dielectric layer comprises an oxide of titanium.
5. The coated article of claim 1, wherein said another dielectric layer comprises tin oxide, and another layer comprising silicon nitride is located over at least the another dielectric layer that comprises tin oxide.

6. The coated article of claim 1, wherein the another dielectric layer comprises silicon nitride.
7. The coated article of claim 1, wherein the layer comprising silicon nitride is Si-rich so as to be represented by Si_xN_y , where x/y is from 0.8 to 1.4.
8. The coated article of claim 1, wherein the coating includes only one IR reflecting layer comprising silver.
9. The coated article of claim 1, wherein the coated article is heat treated, and following heat treatment the coated article measured monolithically is characterized by the following:
- | | |
|-----------------------|-------------|
| visible transmission: | $\geq 85\%$ |
| R_s (ohms/square): | ≤ 4.3 |
10. The coated article of claim 1, wherein the coated article has only one layer comprising silver and is heat treated, and following heat treatment the coated article measured monolithically is characterized by the following:
- | | |
|----------------------|--------------|
| R_s (ohms/square): | ≤ 4.0 . |
|----------------------|--------------|
11. The coated article of claim 1, wherein the glass substrate and the coating are part of an IG window unit, wherein the IG window unit has a U-value of no greater than $1.25 \text{ W}/(\text{m}^2\text{K})$.
12. The coated article of claim 1, wherein the glass substrate and the coating are part of an IG window unit, wherein the IG window unit has a U-value of no greater than $1.15 \text{ W}/(\text{m}^2\text{K})$.
13. The coated article of claim 1, wherein the coated article is heat treated and has a Δa^* value (transmissive) of no greater than 1.0 due to heat treatment.

14. The coated article of claim 1, wherein the coated article is heat treated and has a Δa^* value (transmissive) of no greater than 0.7 due to heat treatment.

15. The coated article of claim 1, wherein the coated article is heat treated and has a Δa^* value (transmissive) of no greater than 0.5 due to heat treatment.

16. The coated article of claim 1, wherein the contact layer comprises an oxide of Ni and/or Cr.

17. The coated article of claim 1, wherein the layer comprising silicon nitride is Si-rich and has an index of refraction "n" of at least 2.10.

18. The coated article of claim 1, wherein the layer comprising silicon nitride is Si-rich and has an index of refraction "n" of from 2.15 to 2.25 prior to any optional heat treatment.

19. An IG window unit comprising the coated article of claim 1.

20. The coated article of claim 1, wherein the first dielectric layer is in direct contact with the glass substrate.

21. A coated article comprising a coating supported by a glass substrate, the coating comprising:

a first dielectric layer on the glass substrate;

a layer comprising tin oxide located over at least the first dielectric layer;

a layer comprising silicon nitride located over and contacting the layer comprising tin oxide;

a layer comprising zinc oxide located over and contacting the layer comprising silicon nitride;

an infrared (IR) reflecting layer located over and contacting the layer comprising zinc oxide;

a contact layer located over and contacting the IR reflecting layer; and
at least another dielectric layer located over the contact layer.

22. The coated article of claim 21, wherein the layer comprising zinc oxide further comprises aluminum.

23. The coated article of claim 21, wherein the layer comprising tin oxide further comprises from 2-25% (atomic %) nitrogen.

24. The coated article of claim 21, wherein the layer comprising tin oxide comprises from 3-20% (atomic %) nitrogen.

25. The coated article of claim 21, wherein the coated article is heat treated.

26. The coated article of claim 21, wherein the first dielectric layer comprises an oxide of titanium.

27. The coated article of claim 21, wherein said another dielectric layer comprises one of tin oxide, zinc oxide and silicon nitride.

28. The coated article of claim 21, wherein the layer comprising silicon nitride is Si-rich so as to be represented by Si_xN_y , where x/y is from 0.8 to 1.4.

29. The coated article of claim 21, wherein the coating includes only one IR reflecting layer comprising silver.

30. The coated article of claim 21, wherein the coated article is heat treated, and following heat treatment the coated article measured monolithically is characterized by the following:

visible transmission:	$\geq 85\%$
R_s (ohms/square):	≤ 4.3

31. The coated article of claim 21, wherein the coated article has only one layer comprising silver and is heat treated, and following heat treatment the coated article measured monolithically is characterized by the following:

$$R_s \text{ (ohms/square):} \quad \leq 4.0.$$

32. The coated article of claim 21, wherein the glass substrate and the coating are part of an IG window unit, wherein the IG window unit has a U-value of no greater than $1.25 \text{ W/(m}^2\text{K)}$.

33. The coated article of claim 21, wherein the glass substrate and the coating are part of an IG window unit, wherein the IG window unit has a U-value of no greater than $1.15 \text{ W/(m}^2\text{K)}$.

34. The coated article of claim 21, wherein the coated article is heat treated and has a Δa^* value (transmissive) of no greater than 0.7 due to heat treatment.

35. The coated article of claim 21, wherein the contact layer comprises an oxide of Ni and/or Cr.